

## CLAIMS

1. A stabilizer control apparatus comprising:  
a stabilizer including a pair of stabilizer bars disposed between a right wheel and a left wheel of a vehicle, and an actuator having an electric motor and a speed reducing mechanism, said actuator being disposed between said pair of stabilizer bars;  
control means for controlling said electric motor in response to a turning state of said vehicle, to control a torsional rigidity of said stabilizer; and  
relative position detection means for detecting a relative position of said pair of stabilizer bars, wherein  
said control means controls said electric motor in response to the detected result of said relative position detection means.
2. A stabilizer control apparatus as set forth in claim 1, wherein said relative position detection means includes a rotational angle sensor for detecting a rotational angle of said electric motor.
3. A stabilizer control apparatus as set forth in claim 2, wherein said control means sets a desired value for the relative position of said pair of stabilizer bars, calculates a desired rotational angle of said electric motor on the basis of said desired value, and controls said electric motor according to a PID control on the basis of a deviation between said desired rotational angle and the rotational angle detected by said rotational angle sensor.